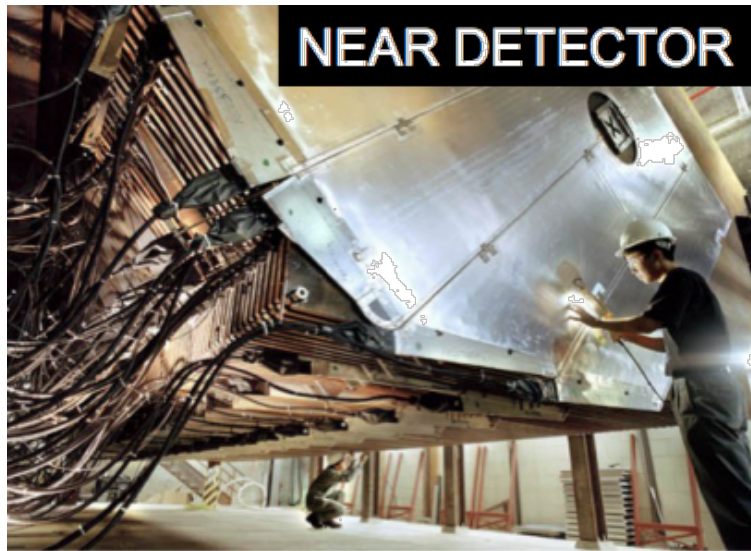




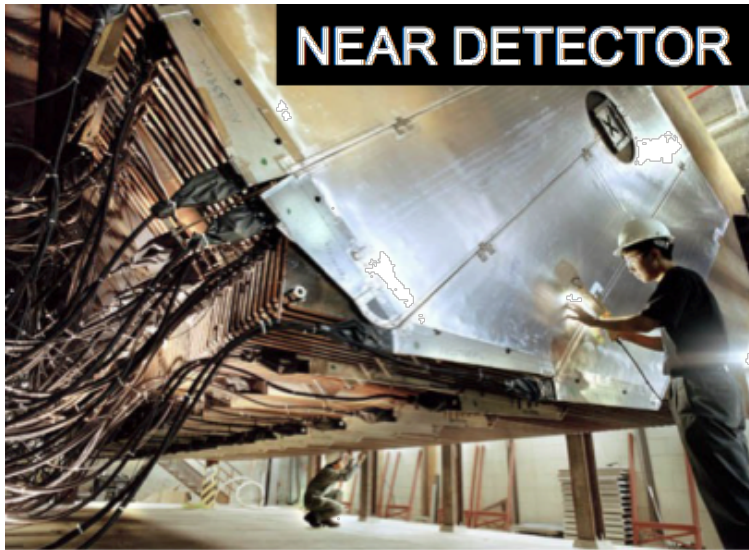
MINOS Status Report



- Detector and Magnet ON since February
- Running new DAQ continuously since past December
- No DAQ problems seen except for two crashes of the VME CPU in Crate 5: the symptoms point to a failing Lithium battery. We'll replace it this week.
- Calibration and Data Quality groups are checking the data taken with new DAQ. We should have their report in few days.



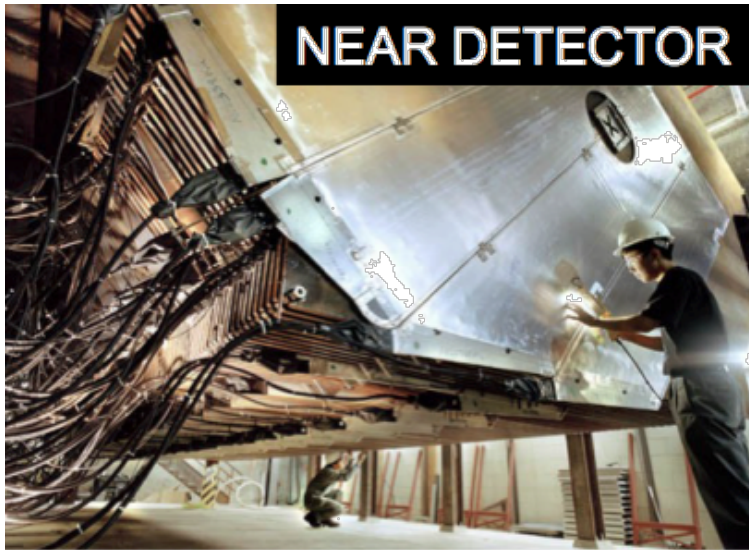
MINOS Status Report



- Looking at the singles rates plot, we found several empty MINDERS
 - we were able to fix two of these this week replacing the Minder with a new board
 - but others had only partially recovered (still reading out only a few channels)
 - we'll keep investigating
 - we have now on hand 4 working spares and 6 more will be here soon from Argonne



MINOS Status Report



- Wednesday 3/27/13 AD techs plugged a forklift charging station with a welding plug that failed causing a partial power outage
 - MINOS DAQ computers down
 - Network switch and AD racks down
 - ND coil magnet power supply down
 - LCW chilled water skid down
 - MINOS detector racks stayed up
 - MINERVA stayed up
- Notified long list of people; initial investigation showed ground fault inside plug caused 400A breaker to trip
- Electrical Safety Subcommittee doing further investigation
- All systems recovered now



MINOS Status Report



- Readout continuing to work well
- fixed a loose +12 V connector in crate 6 power supply, and the position of an output fan sensor which caused the crate to trip occasionally
- replaced the power supply in crate 5 because $\pm 6V$ line was low
- the ‘old’ DAQ had been running fine since
- “refurbished ” DAQ is in progress...



FD refurbished DAQ



- Two weeks ago, Bill Badgett, Steve Hahn and I drove up to Soudan
- Brought up all the equipment needed to setup a new DAQ system just like the one currently running at ND
- And installed all the components in a dedicated rack located on the mezzanine floor near the detector



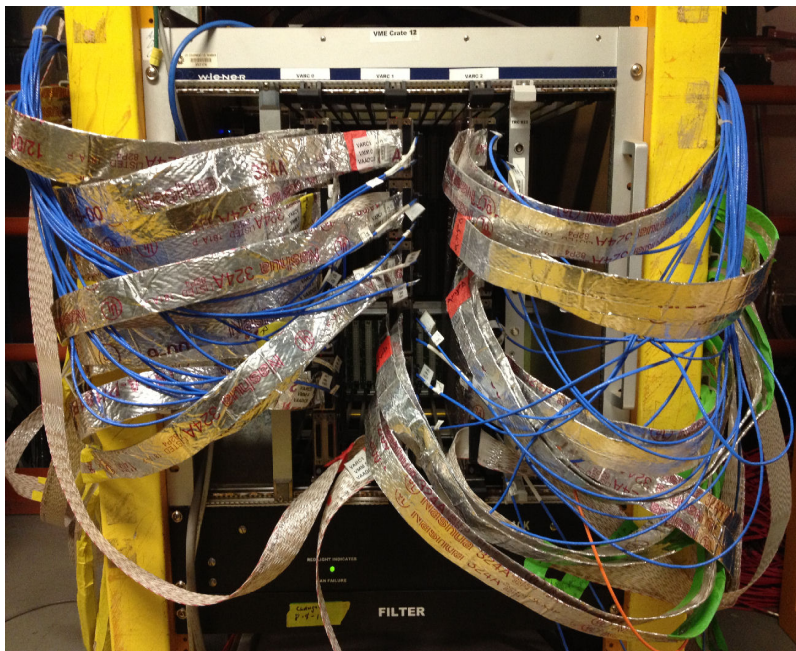
FD refurbished DAQ



- Network switch for data transfer and normal DAQ subnet communications
- 9 1U 8 cores computers (one gateway, 8 DAQ processors)
- 1 Cyclades serial console port server
- 2 PDUs connected to two UPSs (on floor)



FD reburished DAQ



- Motorola MVME 5500 CPU is replacing the CES RIO3 CPU
- Having problems reading out 1 of the three FE electronics (VARC) boards when we insert the MVME in the VME crate regardless of its location
- We'll keep investigating the problem here at FNAL using the VARC test stand available at PREP